

ABSTRACT OF THE DISCLOSURE

A single cell for a fuel cell in which an air electrode or a fuel electrode includes at least two layers. The air electrode includes an adhering cathode layer formed on one surface of the solid electrolyte layer and configured to show a function to allow the air electrode and the solid electrolyte layer to adhere electrically and mechanically to each other, and an electricity collecting cathode layer formed on the adhering cathode layer and configured to show an electricity collecting function of the air electrode. Alternatively, the fuel electrode includes an adhering anode layer formed on the other surface of the solid electrolyte layer and configured to show a function to allow the air electrode and the solid electrolyte layer to adhere electrically and mechanically to each other, and an electricity collecting anode layer formed on the adhering anode layer and configured to show an electricity collecting function.